10/615,516. PTO/SB/21 (08-00) Approved for use through 10/31/2002. OMB 0651-0031 ase type a plus sign (+) inside this box -> + U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. 6,928,348 Patent Number TRANSMITTAL Issue Date August 9, 2005 **FORM** Patentee LIGHTNER et al. (to be used for all correspondence after initial filing) 0307091.0158 Attorney Docket Number Total Number of Pages in This Submission ENCLOSURES (check all that apply) ☐ After Allowance Communication to Assignment Papers Fee Transmittal Form (for an Application) Appeal Communication to Board of Fee Attached Drawing(s) Appeals and Interferences Appeal Communication to Group Amendment / Response Declaration of Mailing by Express Mail (Appeal Notice, Brief, Reply Brief) After Final Proprietary Information Affidavits/declaration(s) Status Letter 37 C.F.R. § 1.102(d) Power of Attorney, Revocation Request for Certificate of Correction Other Enclosure(s) Change of Correspondence Address of Patent Under 37 C.F.R. §1.323 (please identify below): Certificate of Correction (Form Return Receipt Postcard Terminal Disclaimer PTO/SB/44) Request for Refund Information Disclosure Statement CD, Number of CD(s) Certified Copy of Priority Remarks Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Stephen C. Glazier (Registration No., 31,361) Kirkpatrick & Lockhart LLP Individual name Signature Date CERTIFICATE OF MAYLING I hereby certify that this correspondence being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date:

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be send to the Chief Information Officer, U.S. Patent and Trademark Office, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

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Typed or printed name

Signature

Sadie M. Bone

NB 25 2005 Please type a plus sign (+) inside this box -> + PTO/SB/21 (08-00) Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE nder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. THADE Patent Number 6,928,348 TRANSMITTAL Issue Date August 9, 2005 **FORM** Patentee LIGHTNER et al. (to be used for all correspondence after initial filing) 0307091.0158 Attorney Docket Number Total Number of Pages in This Submission ENCLOSURES (check all that apply) After Allowance Communication to Assignment Papers Fee Transmittal Form (for an Application) Appeal Communication to Board of Fee Attached □ Drawing(s) Appeals and Interferences Appeal Communication to Group Amendment / Response Declaration of Mailing by Express Mail (Appeal Notice, Brief, Reply Brief) After Final Proprietary Information Petition to Make Special Under Affidavits/declaration(s) Status Letter 37 C.F.R. § 1.102(d) Power of Attorney, Revocation Request for Certificate of Correction Other Enclosure(s) Change of Correspondence Address of Patent Under 37 C.F.R. §1.323 (please identify below): Certificate of Correction (Form Return Receipt Postcard Terminal Disclaimer PTO/SB/44) Request for Refund Information Disclosure Statement CD, Number of CD(s) Certified Copy of Priority Remarks Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Stephen C. Glazier (Registration No. 31,361) Kirkpatrick & Lockhart LLP Individual name Signature Date CERTIFICATE OF MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: Typed or printed name Sadie M. Bone

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Date

Signature

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2005

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

OTAL	AMOUNT	OF	PAYMENT	(\$)	100

	Complete if Known	
Patent Number	6,928,348	
Issue Date	August 9, 2005	
Patentee	LIGHTNER et al.	
Attorney Docket No.	0307091.0158	

Independent 0 -3 ** = 0 X 86 = 0 1807 50 Processing fee under 37 CFR 1.17 (q) 1806 180 Submission of Information Disclosure Stmt	METHOD OF PAYMENT (check all that apply)			FEE CALCULATION (continued)				
Deposit Account Sol-1721	M Charle G Cradit card G Manay G Other G None			3. ADDITIONAL FEES				
Deposit Account Sol-1721			Large	Entity	Small E	Entity		
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The Director is authorized to: (check all that apply)		Mail 11 11 11 11 11 11 11 11 11 11 11 11 11	1053	130	1053	130	Non-English specification	
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Charge any additional feets) during the pendency of this application Charge feets) indicated below, except for the filing fee 1251 110 2251 55 Extension for reply within first month 1252 420 2252 210 2251 23	The Director is as		1804	920*	1804	920°		
The above-identified deposit account.	☑ Charge any ad	ditional fee(s) during the pendency of this application	1805	1,840*	1805	1,840*		
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1004 770 2004 385 Reissue filing fee 1451 1,510 2452 55 Petition to revive – unavoidable 1453 1,330 2453 665 Petition to revive – unavoidable 1453 1,330 2453 665 Petition to revive – unintentional 1501 1,400 2501 Utility issue fee (or reissue) 1502 480 2502 240 Design issue fee 1503 640 2503 320 Plant issue fee 1503 450 1300 Processing fee under 37 CFR 1.17 (d) 1806 1800	1002 340 2	002 170 Design filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
1005 160 2005 80 Provisional filling fee	1003 530 2	003 265 Plant filing fee	1403	290	2403	145	Request for oral hearing	
SUBTOTAL (1) (\$)0		5	1451	1,510	1451	1,510		
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1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claims over original patent "Reissue independent claims over original patent "Reissue claims in excess of 20 and over original patent "Reissue claims in e		Foo Description	1809	770	2809	385		
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1205 18 2205 9 "Reissue claims in excess of 20 and over original patent" SUBTOTAL (2) (\$) 0 1802 900 Request for expedited examination of a design application Other fee (specify): Certificate of Correction Under 37 C.F.R. §1.323 100 *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 100		** Paissue independent claims over	1801	770	2801	385	Request for Continued Examination (RCE)	
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	**or number previo	ously paid, if greater; For Reissues, see above		-, -			(-) (-)	

SUBMITTED BY				Com	plete (if applicable)
Name (Print/Type)	Stephen 9. Glazzer	Registration No. (Attorney/Agent)	31,361	Telephone	202/778-9045
Signature	The	Vin	23 May 05	Date	

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This collection of information is refurred by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 1/2/and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEE TRANSMITTAL for FY 2005

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

OTAL AMOUNT OF PAYMENT 100

Patent Number	6,928,348	
Issue Date	August 9, 2005	
Patentee	LIGHTNER et al.	
Attorney Docket No.	0307091.0158	

METHOD OF PAYMENT (check all that apply)			FEE CALCULATION (continued)				
			3. ADDITIONAL FEES				
│ ☑ Check │ Credit card │ Money │ Other │ None Order		Large	Entity	Small I	Entity		
☑ Deposit Account:							
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Deposit Account 50-1721		1051	130	2051	65	Surcharge - late filing fee or oath	
Number		1052	50	2052	25	Surcharge - late provisional filing fee	
			-			or cover sheet.	
Deposit		1053	130	1053	130	Non-English specification	
Name		1812	2,520	1812	2,520	For filing a request for reexamination	
The Director is authorized to: (check all that apply)		1804	920*	1804	920°	Requesting publication of SIR prior to Examiner action	
☐ Charge fee(s) indicated below ☑ Credit any overpayments ☑ Charge any additional fee(s) during the pendency of this application		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		1251	110	2251	55	Extension for reply within first month	•
FEE CALCULATION		1252	420	2252	210	Extension for reply within second month	
1. BASIC FILING FEE		1253	950	2253	475	Extension for reply within third month	
Large Entity Small Entity		1254	1,480	2254	740	Extension for reply within fourth	
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1001 770 2001 385 Utility filing fee	1	1401	330	2401	165	Notice of Appeal	
1002 340 2002 170 Design filing fee	1	1402	330	2402	165	Filing a brief in support of an appeal	
1003 530 2003 265 Plant filing fee	1	1403	290	2403	145	Request for oral hearing	
1004 770 2004 385 Reissue filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1005 160 2005 80 Provisional filling fee	J	1452	110	2452	55	Petition to revive – unavoidable	
SUBTOTAL (1) (\$) 0			1,330	2453	665	Petition to revive - unintentional	
		1501	1,400	2501		Utility issue fee (or reissue)	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1502	480	2502	240	Design issue fee	
Extra Fee from Fee		1503	640	2503	320	Plant issue fee	
Claims below Paid Total Claims 0 -20 ** = 0 X 18 = 0	ı	1460	130	1460	130	Petitions to the Commissioner	
independent	1	1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
Claims 0 -3 ** = 0 X 86 = 0		1806	180	1806	180	Submission of Information Disclosure Stmt	
Multiple Dependent O X = 0		8021	40	8021	40	Recording each patent assignment per property (times number of	
Large Entity Small Entity						properties)	
Fee Fee Fee Fee Description Code (\$) Code (\$)		1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1202 18 2202 9 Claims in excess of 20		1810	770	2810	385	For each additional invention to be	
1201 86 2201 43 Independent claims in excess of 3						examined (37 CFR § 1.129(b))	
1203 290 2203 145 Multiple dependent claim, if not paid		1801	770	2801	385	Request for Continued Examination (RCE)	
1204 86 2204 43 "Reissue independent claims over original patent		1802	900	1802	900	Request for expedited examination of a design application	
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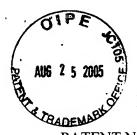
Registration Stephen C. Grazier Name (Print/Type) 31,361 202/778-9045 Telephone 3 Aryos

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Complete (if applicable)





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT NO.:

6,928,348

ISSUED:

August 9, 2005

PATENTEE:

Lightner et al.

FOR:

INTERNET-BASED EMISSIONS TEST FOR VEHICLES

Certificate of Correction Branch Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT UNDER 37 C.F.R. §1.323

Sir:

Applicants request correction of the above-identified issued patent by certificate of correction. Attached, in duplicate, is Form PTO/SB/44, with at least one copy being suitable for printing.

The errors to be corrected are in Figure 3 of the drawings of the issued patent. Specifically, portions of Figure 3 are indiscernible due to printing and copying mistakes. Therefore, for the sake of clarity, applicants request that original Figure 3 in the issued patent be replaced by the clearer version of the figure depicted in attached Form PTO/SB/44. Applicants assert that the errors in the figure are a mistake of minor character, and the requested corrections do not involve changes which would constitute new matter or require reexamination, or otherwise materially affect the scope or meaning of the issued patent.

08/26/2005 BABRAHA1 00000004 6928348

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Patent No.: Patentee:

6,928,348 Lightner et al.

Page 2 of 2

These errors were not the fault of the Office, and, therefore, the requisite fee set forth in 37 C.F.R. §1.20(a) is enclosed herewith. Please apply any additional charges or credits to Deposit Account No. 50-1721. Please send the certificate to the undersigned.

Respectfully submitted,

Date:

23 Augos

Stephen C. Glazier

(202) 778 9045

KIRKPATRICK & LOCKHART NICHOLSON GRAHAM LLP

1800 Massachusetts Ave., NW 2nd Floor Washington, DC 20036 (202) 778-9000

Fax: (202) 778-9100 sglazier@kl.com

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page _ 1 _ of _ 1

PATENT NO.

6,928,348

APPLICATION NO.:

10/615,516

ISSUE DATE

August 9, 2005

INVENTOR(S)

Lightner, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the drawings, on Sheet 3, replace Figure 3 with the following version of the figure.



Time/Date

Supported Tests

Status

3/17/01 21:23

complete Misfire Monitoring **Fuel Systems Monitoring**

complete

Comprehensive Component Monitoring

complete

Catalyst Monitoring

complete complete

Evaporative System Monitoring Oxygen Sensor Monitoring

complete

Oxygen Sensor Heater Monitoring **EGR System Monitoring**

complete complete

3/18/01 12:25

Fig. 3

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO.

6,928,348

APPLICATION NO.:

10/615,516

ISSUE DATE

August 9, 2005

INVENTOR(S)

Lightner, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the drawings, on Sheet 3, replace Figure 3 with the following version of the figure.



Time/Date 3/17/01 21:23

Status Supported Tests

complete Misfire Monitoring complete **Fuel Systems Monitoring** complete **Comprehensive Component Monitoring**

complete **Catalyst Monitoring** complete **Evaporative System Monitoring** complete Oxygen Sensor Monitoring

Oxygen Sensor Heater Monitoring **EGR System Monitoring**

complete complete

3/18/01 12:25 32

Fig. 3

MAILING ADDRESS OF SENDER (Please do not use customer number below):